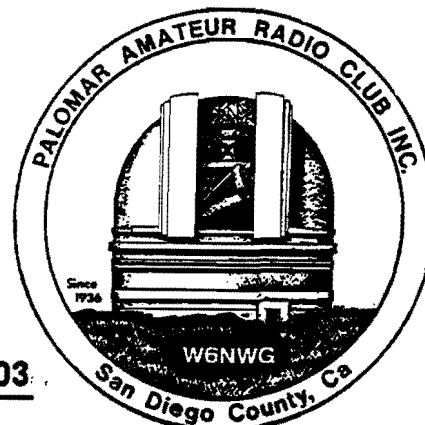


Scope

W6NWG

Palomar Amateur Radio Club Inc.

POST OFFICE BOX 1603, VISTA, CALIFORNIA 92085-1603



W8NWG 146.730-, Patch

KA8UAI 147.130+, PL 107.2, Patch

WA8IPD 146.175+, PL 107.2, Patch



W8NWG 449.425-, PL 107.2, Patch



145.05 Pkt, W6NWG-1, *PALMAR*

Club Simplex: 448.0, 146.535

220 Club SD WD8HFR 224.800-

VOL XXVI, NO.10

OCTOBER

1991

55 YEARS

October 2nd meeting (1st Wed) is at Lincoln Middle School Cafeteria in Vista. 1-5 or 1-15 to Rd.78, Escondido Ave (Sunset) ramp, north on Esc. Ave, after 2nd light between Eucalyptus and E. Vista Way. Talk in .730.

H A M C A L E N D A R

Sep 30 Mon - RACES Briefing on FD
Oct 2 Wed - PARC Club Meeting
Oct 10 Thu - PARC Executive Mtg.
Oct 12 Sat - PARC VE Test, CARLSBAD
Oct 19-20 - ARRL Sim. Emerg. Test
Oct 20 Sat - RACES, Field Drill
Oct 31 Thu - Halloween
Nov 6 Wed - PARC Club Meeting
Nominations for new officers
(Send calendar items to W9FQN)

C O N T E N T S

Executive Meeting, del President 2
Ads: WB9COY, PalEng, W9WV, N6GZI 3
Thanks 4
Repeater, Ads: N6RAO, KI6GI, NU6L 5
Repeater, work parties 6
Autopatch 7
FOR SALE and wanted 8
Membership, Auction 9
Young Hams, VE testing . . . 10
Potpourri, HRO ad 11

vehicles to talk via AMTOR all over the world on minimum antennas and 45 watts. He will be leaving for a new duty station in Albuquerque, NM, and we wish him well at his new duty station.

Attending were 84 members and 14 guests present for a total of 98.

Art-KB6YHZ is back among us and again supervised the coffee and goodies. He was assisted by Larry-KC6PEN and his charming wife, Kieko. THE GOODIE TABLE NEEDS GOODIES SO WHY NOT BRING SOMETHING FOR NEXT MEETING. Thanks. If you don't do it, who will?

N E X T C L U B M E E T I N G

Our next club meeting will be October 2nd at 7:30pm in the Lincoln Middle School Cafeteria on Escondido Avenue in Vista and will feature our annual club auction under the direction of Dennis-N6KI. These auctions are an excellent time for you to get rid of (sell) those little used items and to pick up something that you just cannot live without ...so bring in your goodies and be prepared to spend a little green stuff or write a check or two. We hope to have again Steve Kerrin-

WA6CDU from Escondido as the auctioneer. See the section on AUCTION for the auction rules.

There will be no show and tell because the AUCTION is our SHOW AND TELL. There will also be an abbreviated meeting with mainly announcements being made.

W A N T t o B E a H A M ? (or Dial-a-Ham)

If you or a friend are interested in becoming an amateur radio operator and in joining the Club, please contact one of the following ELMERS for more information or use the application form on the back of this issue:

VALLEY CENTER . Stan Rohrer . W9FQN
(President, Editor(temp) 749-0276)
VISTA . . Jack Hanthorn . . KI6JM
(Vice-President, 598-0420)
BONSALL . . Nash Williams . . W6HCD
(Secretary, 728-3574)
CARLSBAD . Benton Caldwell . KK6LX
(Treasurer, 729-5161)
ESCONDIDO . . Jo Ashley . . KB6NMK
(Membership Chairwoman, 741-2560)
CARDIFF: Duane Stedman: WB6R: 753-4821
CARLSBAD: Eleanore Call: N6QJE: 729-0850
Chula Vista: Steve Grant: N6RUV: 422-4415
DEL MAR: Gerry Sanford: KC6BJM: 755-5244
ENCINITAS: Dave Copley: WA6HQM: 753-2605

L A S T C L U B M E E T I N G

The September 4th program consisted of Chip-KC600E talking about and demonstrating AMTOR which he used for sending thousands of messages during the Persian Gulf War. Chip showed us the equipment which he has used in his home and

OCT'91

FALLBROOK:Artrideout:WA6IPD:728-6834
La MESA: Roger Jaffe :N6UWU:697-6025
LAKESIDE:Mac McBride:WB6GXR:561-2211
LEUCADIA: Bud Lincoln:KG6VX:436-9983
LinVistaPaulWilliamsonKB5MU:571-8585
MIRA MESA: Ron Earl :W6TXK:566-1959
OCEANSIDE:LarryGugle:KC6PEN:439-4109
OCEANSIDE: Lloyd Hunt:W6TFB:757-9374
PAUMA-PALA:Mark Ross:KC6CZ0:742-1539
PointLom:MickMcDaniel:W6FGE:222-3912
POWAY:MarkSchlesinger:N6NNI:748-8391
RAMONA: Vernon Leming:AA6UU:789-3070
RanchoPen:John Tentor:W6OLQ:672-3891
RanchoS.Fe:RonWilhelmy:WI6B:756-3133
S.D.:Dennis Vernacchia:N6KI:271-6079
SanMARCOS:FloydHarvey:W6JSP:741-8391
SanMARCOS:RustyMassie:AA6OM:747-5872
SolanaBe:LouBroadbent:N6CKQ:755-9179
VISTA: Jerry Houser :WB6FMT:758-4388

E X E C U T I V E M E E T I N G

The Executive Committee, consisting of the officers of the Club and the Chairmen of its committees, meets at 7:30 p.m. on 2nd Thursday after the club meeting (8 days later) at the home of various of its members. You are welcome to attend these meetings. Contact any executive member for additional information on executive committee meetings.

8-15-91 DISCUSSED: \$\$; SCOPE net costs are below \$3; programs; repeater rules; possible post office box change 1603 -> 73; picnic; K6HAV; nomination committee; survey form N6WLX; picnic; membership at 400 already; 450 packet project held up till receive info from KB5MU; possible PL required on 147.130 continuously; battery shed; work parties; interference problems and DFing; answering machines and use.

APPROVED: next exec mtg at KI6JM's QTH; changes to SDCTN preamble; Oct. auction; new activity ticket rules; PL for 449.425 operation; PL for autopatch operation (5 yes, 1 abstention); \$250 for 450 antennas.

IN ATTENDANCE: (officers) Stan-

W9FQN, Jack-KI6JM, Nash-W6HCD, and Benton-KK6LX; with Jo-KB6NMK (Membership) and John-WB6IQS (Technical). The July meeting was at Jack-KI6JM's QTH and we all enjoyed the drink and cake. The October 10th meeting will be at Jack-KI6JM's QTH.

del P R E S I D E N T E #3 ##
(after #3 comes #2!) ###
(and editor?) ###

Letters sent to me should be addressed to 30311 Circle R Lane, Valley Center, CA 92082-9423 preventing a 15 day delay when sent through the club's address in Vista.

- BK -

The following anonymous letter was recently received by PARC:

Sirs;

RE: Donation to the general fund!

Enclosed is a small token of appreciation for your VEC committee and it's chairman for their consideration, patience and help to get me through 1(A) to complete my TECH+ license, and for letting me join PARC. Yours truly, KC6---

P.S. Now on to General?

The letter contained a green \$50 bill. THANKS to whoever wrote the letter and sent the money. Rusty Massie-AA6OM and his "Gang of 10" do an excellent job with the VE testing. While the request was to place the money in the General Fund we will probably invest a "like amount" into a project to promote amateur radio.

- BK -

Benton-KK6LX, our club treasurer sent me the following report about club funds at the end of August this year:

Equipment fund	\$ 2,593
Prepaid Dues	\$ 1,363
General fund	\$ 3,653
9/11 balance	\$ 7,609

Beginning balances in years past:

12/1/88	\$5,043
---------	---------

8/1/89	\$6,527
8/1/90	\$5,734
8/1/91	\$8,002



Of course, the \$8,000 is a little deceptive since quite a bit of it is in the Equipment Fund (future projects), and Prepaid Dues. So we are really only working with the \$3,653 out of which must come printing costs (SCOPE), supplies, activities, phone lines, electricity, etc.

This means we have very little to start in on a bunker at the repeater site, if we decided to build it, without resorting to other means. If at all possible, we want to stay away from increasing dues or asking for donations. Possibly we could borrow money thru THE FRIENDS of PARC as we did for the buying of the repeater property on Palomar Mountain and amortize the payments over five years.

- BK -

The constitution states that the executive committee can determine the points members can receive for participation in club activities. Dennis-N6KI presented a plan for points to the club which was similar to one submitted a year or two ago. The attempt is to recognize members for their participation in club activities. The executive committee decided to try a new system for a one year trial period of awarding points and tickets for the drawing held at the club picnic. The following points will be awarded for the following participation by club members with a maximum ticket count of 20 and with the publishing of the names of club members with the highest participation points.

Renewal(1), Meetings(1-12), Picnic(1), Field Day(1-3), Sweepstakes(1), 10m SSB(1), Novice Roundup(1), Repeater work day(1-?), Committee Head(1-5), Del Mar Fair(1), VE Work Session(1-12), DFing(1-?), Net Controls(1/mo @ 4 sessions/month).

- BK -

The nomination committee is looking for replacements for me

(W9FQN) and Jack-KI6JM, our vice-president and program chairman. So far, everyone we have talked to (4) has said "NO" to running for an office. Both Jack and myself have indicated that we are willing to continue on with some of the things

we have been doing in the past so these two positions should not be as difficult as they might seem at first glance.

My being active in the club before being president has probably made the position of president seem

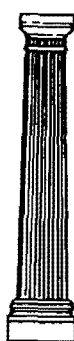
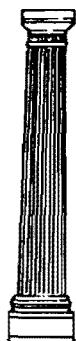
more involved than it really should be since I did not drop any of the positions that I had before becoming president and along the way I picked up several more that I was interested in earlier.



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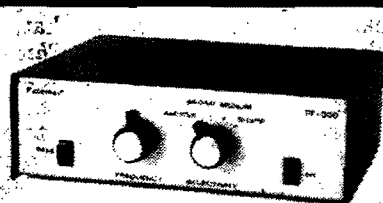


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"Mac" - W9WV

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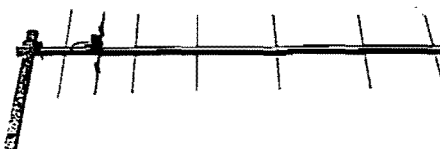
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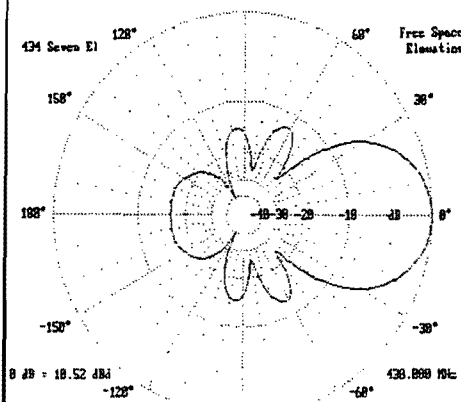
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WB9COY

Please come forward if you are able and willing to contribute something to the club. Usually the position of President lasts only a year (rarely two and seven years is

unheard of in any amateur radio club until now) and the vice-president's position usually one year. My decision to be available for such a long time was based on the

following: 1) the nominating committees ask me to run, 2) no one else indicated a desire to run nor was there any opposition to my running previous to this past year.



and 3) I have always been interested in the club and its projects and attended Executive Committee meetings even though I was not an officer ...so being president was not that big of a deal for me in terms of time spent.

As club president you would need to conduct the general Wednesday night meeting and the Thursday evening executive committee meetings each month.

A club the size of ours has many "sleepers" in it. I know. I was one of them until I volunteered to do the engineering calculations on the 70' PARC tower (18 tons of cement and 540 pound 20' sections) and supervise its installation. I had attended the club meetings for years (early 70's) and NOT ONE person knew my name!

Another "sleeper" is Jerry Houser-WB6FMT who never comes to meetings (works Wednesday evenings). A year ago no one knew his name or call and now almost everyone is aware of Jerry and his call because of the tremendous job he has done with the autopatch system. Also, Rusty Masse, AA6OM, has now become a household name since his involvement in the PARC SANDARC VE program and he also cannot attend club meetings.

There are many "well known" members and "sleepers" who would be able to fill the positions being vacated by Jack and myself ...but where are you when we need you?

- BK -

The horse and buggy below is from my childhood days in Wakarusa, Indiana, which was in an Amish farming community. My father started teaching in a one room school at the age of 19 and taught school for 45 years ...he was born in 1898 and that accounts for "GER '98" in the 80' 18 ton tower base at the PARC site on Palomar Mountain.

73, Stan W 9 F Q N

RE M I N D E R

MOVING? Remember to send us your new address BEFORE you move. It costs the club \$.35 to get back the

SCOPE that was sent to you plus wasted postage and printing costs of \$.58!

NEWSLETTER HELPERS

- September 1991 SCOPE -

Members, Ads, Labels, JoAshley . KB6NMK Membership Data, Bill Whipple N6COU Billing Ad, etc, John Tentor . W6OLQ Folding/Staples, Lloyd Hunt .. W6TFB Folding/Staples, Bill Whipple N6COU also roster and label printing

Sorting Eleanore Call N6QJE Printing/Forms, Stan Rohrer . W9FQN

Without these people life would certainly be difficult. THANKS!!

If you live in the Vista or the Oceanside area we really could use some extra help for an hour or so.

 ### R E C O G N I T I O N of ###
 ##### (thanks) #####
 #####

Karl-N6WLX for putting up a 10m long wire for Ellen-N6UUW who promptly has started working all over the Pacific ...and the USA ...Ellen, how about starting on working all states (WAS).

- BK -

Thanks to WORLD RADIO for the use of information, articles, and "cut outs" which their magazine provides for the SCOPE from time to time. The magazine is in News Paper format and their last monthly issue contained 75 pages. They cover all aspects of amateur radio in a non-technical way.

12 issues \$14 24 issues \$27
 36 issues \$39 lifetime \$140
 WORLD RADIO, 201 Lathrop Way
 Ste. D, Sacramento, CA 95815

- BK -

Benton-KK6LX, club treasurer, for a special update on the club's finances as we enter a new club year when we are considering a building program.

- BK -

Little Joe-WB6HMY for sending the SCOPE to Dora Tuttle-KE6DR. Dora was one of the net controls for the evening North County Traffic Net for many years and now lives in Buckeye,

AZ. Little Joe used to be our NCTN manager for years and years too.

- BK -

Ron Miley-KC6YLA for consenting to work on the Carlsbad Safety Center RACES/ARES: personnel, antennas and equipment. Ron also has taken on working with a school club station and would welcome any antennas, general coverage receivers (given or on loan), books, and/or code equipment that could be used in the club program. Contact Ron at 753-9343 in Carlsbad. He would also welcome help from any retired persons in the area who are available during the school day.

- BK -

Steve Morris-KB6GKE for the donation of the second phone answering system to be used in a club project and to Jim Cooper-NE60 for bringing the unit to us at the last meeting. Steve also donated a 1296 beam and an HP-41c Calculator.

- BK -

Bill Whipple-N6COU for the great information sheet on IBM compatible computers. Bill likes USER SATISFIED COMPUTERS at 2216 El Camino Real Ste. 122, Oceanside, and thinks that Walter Wang gives good prices and service. I think Bill is trying to wean me away from TRS-80 Mod IV's although he just sold me another Mod IV system with printer in August. If you stop in to talk to Walter, be sure to tell him that Bill Whipple sent you. Bill operates the club's GIANT computer which keeps all membership information and prints out the SCOPE labels each month ..for which we are VERY VERY thankful.

- BK -

Jo Ashley-KB6NMK and Bill-N6COU for the great looking roster in the September SCOPE.

- BK -

Chris Allen-KC6QOJ for a nice letter on updating me about the Young People's net on 147.130 being held Saturday evenings at 7:30pm and the 28.39MHz SSB net Thursdays at 2000hrs. We appreciate everything that Chris and David-KC6VMR are



doing for the Young People's nets that they are conducting.

- BK -

Jerry Houser-WB6FMT has invested a great deal of effort in the club's autopatch system this past summer resulting in the construction of the repeater site equipment and the first base unit in Vista. If the Vista test proves ok in September, he will begin on the remaining two units (80hrs of labor) to be stationed in the Mira Mesa and La Mesa calling districts. This should give us coverage from Mexico to Fallbrook and should cover most emergency situations where we need phone contacts. Jerry is director of the Palomar College Aeronautical Sciences program so he is really busy during the regular school year.

- BK -

Orlando Vernacchia-N6QVW for all of the specialized machine and welding work that he has been doing

for the club on the 450 cavities we have been modifying. Orlando was responsible for the welding of one of the club's towers and for much of the machine work on the Field Day antenna mounts. He does great work.

 REPEATERS, etc. #####

TECHNICAL: John Kuivinen.....WB6IQS
 - - TRUSTEES - -

W6NWG/R: Ron Wilhelmy...WI6B->
 146.730(-) and 449.425(-)
 145.05(s)pkt W6NWG-1 or PALMAR
 KA6UAI/R: Erik Thompson, 147.130(+)
 WA6IPD/R: Art Rideout, 146.175(+)
 WD6HFR/R: Ron Berger-NE6T, 224.900(-)
 (All CTCSS(PL) tones are 107.2Hz)

 =CONTROL OPS W6NWG-1 PACKET: WI6B
 KB5MU WB6IQS N6NZX KB6NZA W9FQN
 =CONTROL OPS W6NWG/R 146.73/449.425:

WI6B WB6IQS W9FQN N6NZX
 KB6NZA KC6PEN WB6FMT
 =CONTROL OPS KA6UAI/R 147.13:
 KA6UAI WI6B W9FQN N6TJT
 WB6FMT KC6PEN
 =CONTROL OPS WA6IPD/R 146.175:
 WA6IPD WF6L or contact W9FQN
 #####

Users of the KA6UAI 147.13 repeater should be aware of the following: 1)the repeater will come down off the mountain sometime in October (13 or 20th?) for several weeks while Erik makes modifications, 2)during that time (2-3 weeks) there will be a substitute repeater in place with NO AUTOPATCH or 10 METER LINK (use the Vista 146.730 autopatch) and 3)because of continued interference on 147.130, the updated 147.13 repeater will be placed permanently on PL (CTCSS 107.2Hz) except for certain nets and special events.

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TIM HOY -KI6GI-



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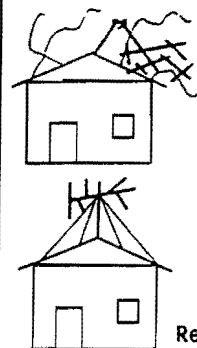
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Antenna N6GZI
Specialties

- BK -

Our 449.425 repeater sometimes runs into radar interference. Does anyone know where it is coming from and whether it is vertically or horizontally polarized? Contact Stan-W9FQN or Jerry-WB6FMT.

- BK -

The new autopatches have the

DO NOT TRY TO TAKE THE 147.130 REPEATER OFF OF PL SINCE THE MODIFIED REPEATER WILL NOT ACCEPT THE OLD CODES. See the autopatch section for more info on PL tones. If you need a sked with someone without PL, better use 146.730.

A great circuit for PL can be found on page 13 of 73 magazine for

August 1989. The circuit uses only one LM1458N chip and a handful of parts. PL units can also be bought at HRO. Better get something soon because you will probably find 147.130 PL'ed before the end of October to eliminate much of the "grunge" being heard on the repeater.

option of "muting" the tones being sent which is ok for your sending of telephone numbers since in the new system these do not need to be broadcast over our repeaters, but it should be noted that if we do remove the touch tones (TT) from our repeaters, that you will not be able to use TT encoded squelch on our repeaters ..bummer. If you are using TT encoded squelch or plan to in the future, please contact W9FQN as soon as possible. We do have a solution to the problem.

- BK -

When buying a new 2m rig you might want to consider buying one of the new dual-banders with 2m and 450 (449.425). This is especially great for family use since our 450 repeater is not used as much as the 2m repeaters and the conversations are more private. The coverage on 450 is about the same as 2m except that it is more "line-of-sight" resulting in more flutter or drop-outs when you get behind a hill. Experience indicates that 2m fills in the valleys better than 450. Sometimes 450 will work better in city buildings and behind them than 2m because of the shorter wavelength and reflections off of the sides of buildings.

The biggest problem seen by Barbara and I so far is that we sometimes don't know which band we are receiving a call on. We use space separated speakers and still get confused. Usually, if I am calling on 450, I say, "this is W9FQN 450" which seems to solve the problem. I guess the repeaters should have distinctive "ding-dongs" at the end of each transmission to tell the repeaters apart. Also 446MHz is great for private simplex between cars or the house. Remember, there will be an autopatch on the 450 machine within the month of October.

- BK -

PARC does not encourage our members talking to other stations through our repeaters who ARE NOT in San Diego County or Mexico. If you

have a sked with someone, thats ok, but to just talk to someone out of the county on our repeaters is discouraged. If they are not in SD Co., then they are probably bringing up several other repeaters on our assigned frequency trashing the other repeaters with "one ways." We selected our site on Palomar Mountain so that we ONLY covered SD Co. and we would like to keep it that way. It is our understanding that home stations in Palos Verdes and Cucamonga can hit our repeaters if they are up high, use beams, and/or run high power but this only happens just a few times per year ...which is really great for us and just the way we like it. If you want to talk to LA, use another repeater!

- BK -

Be careful of talking to USA stations with XE (Mexican) prefexes that ARE IN the USA since they probably only have NOVICE licenses and are operating in the US illegally. USA stations in the USA use ONLY USA calls.

- BK -

***** WORK PARTIES *****
***** (you too can have fun) *****

(9-15)Workparty went to the repeater site and accomplished the following:

PROPERTY LINES-> Jim-KC6PAS and Art-KB6YHZ ran one of our property lines and discovered that our one tower anchor is JUST INSIDE our property. All four corners were located and marked. They then staked out the proposed new repeater bunker near the tower and discovered that it would be too close to the property line so a new location was staked out on the North side of the tower. Jim is using an HP computer for drawing the new bunker plans and he and Art are bringing the proposed plans up to date. The plans will be brought before the membership and the project will be voted on as soon as we get enough information on its size and cost. They also picked up enough information for a plot plan

of the property and buildings.

ANTENNAS-> Jack-KI6JM (and helpers) moved the 10m link vertical antenna to the back of the bunker and fastened it to the block wall. Stan-W9FQN fixed a 450 antenna on the 80' tower and removed a 450 collinear from the tower. The collinear was then placed at the top of a 20' mast along with a 450 beam and fastened to steel supports next to the bunker.

Stan, Anita-KB6YHY (Art's wife), and Jack's wife, Audrey, brought the 14 emergency battery liquid levels from their low mark where they had been kept for a year up to their high mark. They took 15gal of water! This might seem like a lot of water but when the batteries were moved to the site they were purposely allowed to go down to their low level marks for shipping. Low level to high level takes one gal of distilled water. During the past year they used only a few gallons of water. The repaired cracked battery was brought up to level with sulfuric acid of approximately the same specific gravity of a charged cell. Jack, Audrey, Anita, and Art, after completing their work, adjourned to MOTHER'S KITCHEN on Palomar Mountain for their afternoon meal.

John-WB6IQS and Jerry-WB6FMT installed the new autopatch equipment and started the process of connecting the units up to the 146.730 and 449.425 repeaters. They spent all morning and afternoon making up the proper connectors and locating convenient points on the transmitters and receivers to pick off and inject the audio into the autopatch system. Jerry's wife, Jan, and children, Jenny, and Jeff spent the day on Palomar Mountain visiting parks, having a picnic, and exploring the mountain and Lake Henshaw while Jerry worked.

It was a beautiful day on Palomar Mountain ...wish you were there!

- BK -

PARC is looking for several more tower climbers. Some of our past



climbers have either moved out of the district, gotten too heavy, too old, or have too many other responsibilities at present. We have had several volunteers lately but they have no climbing equipment which you must have if you are going to climb a PARC tower. If you have any climbing equipment available for loan or donation, please contact W9FQN. Our present climbers are as follows:

- #1 Chuck Dowling KI6TG . . active
- #2 Stan Rohrer . W9FQN . active?
- #3 Mike . . . KC6KCQ . no equip
- #4 Ed Ross . . N6GZI . available
- #5 ?? cannot find name of volunteer who gave his name at a club mtg.
- #6 this could be your name and call (Please contact me if you can help)

This is one sure way of being top man on one of PARC's projects! Some of the projects we have are:

- 1. Visual inspection of tower
- 2. Check out 146.730 antenna/coax
- 3. Test out 3 heliax dead lines
- 4. Attach 2 new 450 antennas
- 5. Rebolt last 80' @ 70' level
- 6. Weather proof all connections
- 7. Connect up emergency antennas
- 8. Install 2m/450 antenna
- 9. Replace a 450 antenna
- 10. Run new coax lines

- BK -

(9-13)Stan-W9FQN visited the repeater site for several hours to take care of a repeater problem.

- BK -

(9-7)John-WB6IQS, Dennis-N6KI, Jerry-WB6FMT, and Stan-W9FQN, at the request of Dennis, met with two design engineers from DBR Engineering, Dave Robison and Larry-KC6VYD (new club member) to review the design of the new autopatch system recently constructed. It was determined that the present design can be easily modified in the future to include several desired features suggested by Dennis-N6KI which should make the new system being tested in October more easily used when the modifications are made.

Our repeaters in the PARC bunker on Palomar Mt. at 5,600' cover 2,000

sq.mi. of SD.Co. and 100+ miles out to sea. It is club policy that these repeaters are open repeaters FOR CLUB MEMBERS AND OCCASIONAL TRANSIENT USERS with the AUTO PATCHES being ONLY for club members. Be FRIENDLY to those that you talk to, and INVITE them to support the club with their membership since they are using the repeaters in the PARC bunker. You can check their membership in PARC by asking them if they have seen something in the most recent SCOPE.

A U T O P A T C H on --> 147.130

KA6UAI/R: Erik Thompson----KA6UAI
ENCINITAS + surrounding towns

Up code "#01"

Down code is "#01"

KA6UAI/R: Jerry Houser-----WB6FMT
VISTA + the surrounding towns

Up code "#02"

Down code is "#02"

(No changes in codes or areas)

A U T O P A T C H on 449.(4)25 & 146.(7)30

W6NWG/R: Jerry Houser-----WB6FMT
(VIS)ta (upr SDC0) October

Up code "Rxy", see Nov. label

Down code is "#"

(MIR)a MESA (ctr SDC0) Fall of '91
(LAM)esa (lwr SDC0) Fall of '91

A U T O P A T C H on 146.175

WA6IPD/R: Art Rideout----WA6IPD
FALLbrook + surrounding towns

Up code "#04"

Down code is "#"

For specific information on the new autopatches please contact W9FQN, or WB6FMT (Vista). For the old patches on 147.13 contact W9FQN, WB6FMT (Vista), KA6UAI (Encinitas), or WA6IPD (Fallbrook).

All autopatches on 147.13 will be closed down for 2-3 weeks in October. Use the 146.73-449.425 Vista autopatch.

- BK -

For 146.73, 449.425, patches say-

"BK BK BK BK"
Rxy (749-0276) talk N6YZZ

(tone)
N6YZZ
ACCESS PATCH



CLEAR
PATCH
(tone)#

The "..." in example above indicates your "push-to-talk" pushed. The "xy" is obtained from a club officer or de your personalized address label on the front of YOUR November SCOPE "R" is from the repeater you are on. 146.(7)30 ((7)) or 449.425 ((4)) YOU NEED A 107.2 PL FOR AUTOPATCHES!

The old autopatch codes for the 147.13 machine are *02/#02 for the Vista area and *01/#01 for the Encinitas area. These patches on 147.13 will be shut down for 2-3 weeks in October.

Do not discuss autopatch codes even to members over the air. Use your home phone for such discussions.

New

Jerry-WB6FMT's NEW projected timetable is as follows for the new patches on 146.730 and 449.245:

SEPTEMBER 15th: New autopatch equipment moved to the bunker and installed. To be placed in operation before the end of September with 146.730 first, and 449.425 to follow. You will need a 107.2PL to use the autopatches.

OCTOBER 13th or 20th: The VISTA 147.130 patch to be closed down and replaced with the VISTA 146.(7)30 and 449.(4)25 autopatches serving the upper 1/3rd of SD Co. (Escondido, SM, Vista, Oceanside, Fallbrook, Carlsbad, & Encinitas) with new codes of "Rxy" as shown on your November label or ask for the codes at the October meeting. Remember that the "R" is the first digit after the decimal point of the repeater you are on. For 146.(7)30 it is "7" and for 449.(4)25 it is a "4". Its really very logical. You send a three digit code. The first number is the first digit after the decimal point of the repeater that you are on and the remaining two designate which of the three autopatches you want to use ...but

only the Vista patch is available beginning in October with the other two codes for the rest of the county not being available until later. While the old autopatches on 147.13 are being used, their codes will remain *01 for Encinitas and *02 for Vista.

The 147.130 autopatch in Encinitas will be off the air for several weeks in October while Erik-KA6UAI is making modifications to that repeater. When it returns, it will be PL'ed with 107.2Hz.

NOVEMBER 16th: La Mesa or Mira Mesa patch operating. These patches will serve the lower 2/3rds of SD Co.

DECEMBER 21st: Remaining patch operational - La Mesa or Mira Mesa.

We will try to keep you advised of our progress as we get further into the project. There is bound to be some confusion at first because of the new autopatch codes on each repeater, 147.13 patches off the air for 2-3 weeks, and the new patches coming "on line" progressing down through the the county one by one over the next few months. We hope everything will be completed by the end of January 1992.

- BK -

The WB6FMT Vista patch had 136 calls on it last month but we think about 40-50 of them were Jerry testing the new autopatch system.

- F O R S A I L ##
#####



PARC will be taking a load of donated surplus items to the Santee Swap Meet, Saturday, November 2nd, and we will need club members to help with the selling of the items. By having 4-5 amateurs helping there will always be time for you to walk around and look at the rest of the swap meet items. Please contact W9FQN for information on how to help.

**Incredible
Prices!**

(9-3)Heathkit HW101 xcvr w/pwr, Versa Deluxe Tuner, key, & headphones. Great rig for beginner \$200: John-670-4078-Spring Valley.

- BK -

(8-28)Bamboo poles from small to 4"dia: Larry-WQ6V-726-0353-Vista.

- BK -

(8-23)Yaesu FNB-10 battery \$10; Yaesu FTT-4 TTPad for FT-23/73 \$10: Jerry-WB6FMT-758-4388-Vista.

- BK -

(8-22)R.F.Labs 6M solid state amp mod V76 (120w out) \$250; Yaesu FT-726R 2m + 6M + 430 & satellite xcvr YM-48 mic, spk console audio filters, SP-102, ex cond \$1,250; E1 Key paddle \$30; B&W sw mod 594 \$20; Hustler Fiberglass mast 54" \$20; mobile bumper mt w/ball-spring \$30; Ten-Tec Mobile ant mod 3101 15M \$20, mod 3100 20m \$20; Hustler resonator RM-75 new cond \$20: Krist-W6KTE-941-3555-Vista.

- BK -

Tubes for sale ..all kinds ..all sizes ..part of PARC tube yard: Larry for PARC-KC6PEN-439-4109-0csd.

OTHER PARC ITEMS

M83 Ham Interface software with manual; PK-64 Packet; Tubular tower \$100; brand new Standard Mic MP5 46B 5pin (10ea) \$5; Kenwood TM-TS-700(SP) service manual \$2; Ringo Rangers, 2m, & 220; more tubes- we don't even know what we have but I did see several 1629's!; tri-band beams; 2m 3el beam \$15; headphones (assorted); microphones (assorted); Vic 20 computer w/monitor, recorder & programs; Heath Daisy wheel printer (needs adjustment); crystal frequency markers; frequency counter; and assorted goodies: PARC-Hillside-Electronics-W9FQN-749-0276-VillyCtr.

- BK -

(8-17)Kenwood MC-85 Desk mic w/equalizer \$75; B&W VS-300A HF 300w ant tuner \$70; Tempo One 100w HF xcvr \$150; 1991 ARRL Handbook (used) \$21: Duane-AA6EE-789-3674-Ramona.

- BK -

(8-14)12v gel cell batteries (YUASA) guarenteed like new (great for emergency use with HT or public

service events) \$5/ea and lots of tubes (Mike, are u in competition with PARC tubes?): Mike-KC6KCQ-742-1573-Palomar Mt.

- BK -

(7-30)Icom 02AT (inspected ICOM), BP8 Bat-pack + wall chg, BP4 pk w/bat charger, DC cord + manual \$275; Butternut "butterfly" beam w/manual \$50: Paul-KA6PPD-726-1657-Vista.

- BK -

(7-27)mint mod YH55 8ohm Yaesu headphones: Dan-WA6HYB-433-4445-0csd.

- BK -

(7-24)recently acquired old radio manuals w/schematics of all radios 1930-34 ..will share info; 200 series tubes, '32 Official Radio Service Guides Vol#2-4 '31-34: Joe-W6HLB-619-757-1272-0csd.

- BK -

(7-12)Tempo-1 xcvr 80-10m AM-CW-SSB 100w gud cond w/pwr spkr + Yaesu mic, 15m dipole + bauln, 100' RG-213 coax \$250: Mark-AA6TR-944-0145-Carlsbad.

- BK -

(7-4)700' RG-8 52 ohm coax 30c/ft: Jim-KA60LZ-434-2722-Carlsbad.

- BK -

(7-4)Complete HF home/mobile (almost antique); Gonset GSB-100; GSB-101 Amp 1.2KW; Hallicrafters SX-111 rcvr; Heathkit LHW-32 20m xcvr w/DC PS repairable & HP-23 PS ALSO POWERS GSB-100; non-mint; discount to seniors or juniors; reasonable priced to good home; extra tubes; be only ham on ur block to own such gear: Jack-KI6JM-598-0420.

- BK -

(6-29-)Commodore 1526 printer, 1541 disc drive, C64, pwr supply, PK64 with HF modem, manuals, programs, like new \$285: Joe-NU6L-749-2699-Valley Center.

- BK -

(6-23)\$400 Like new Kenwood mobile (used as a base) TM-2570 5-70w 2m FM xcvr with mic, digital coded squelch (DCL), PL's, telephone number memory, call letter transmission & reception, and a cute little Japaneese lady who has been taught



to speak the frequency in English (MC-42S, MU-1, TU-7, & VS-1) (new \$900+) (converting to dualbanders): Stan-W9FQN-749-0276-VC. (Seventy watts will help fill in those transmitting mobile "holes" in South County.)

- BK -

(6-16)2m 3el beam \$15; 35' tubular crankup mast for big beam (needs cable); 3-el hy-gain 3-band thunderbird beam (needs some bolts) and other items too numerous to mention: Stan-W9FQN-749-0276-VC & Duane-WB6R-753-4821-Cardiff for Doug-WA6SVN.

- BK -

(6-10)20->40' crankup-fold-over tubular mast for tribander \$200: Phil-WF6L-757-7008-Oceanslide.

- BK -

(5-27)21' vertical antenna 18AVT-WB (wide band) 80-10m 52 ohm \$75; 1w AM BC xmtr can be converted to 160-40m, schematic, case, meters, mic, used as PA system in hotel, \$50: Ray-W6BHF-487-4423-Poway.

- BK -

(5-4)50' Rohn TOWER 56H (non-tubular): (Past PARC Pres) Ed-N6GZI-297-7758-S.D.

- BK -

(4-22)Corsaire II Ten Tech xcvr 80-10m 100w 4yrs old, \$\$\$; and other HOT items: Felix-N6IE-277-8587-SD.

- BK -

(4-18)HEATHKITS SB-221 HFamp 1KWcw 2KWssb w/manual \$225; IG-102 RF SigGen 100KHz-220MHz w/man \$35; EICO 232 VTVM w/man \$35; CHUSHCRAFT 10-3CD 3el 10m beam w/man \$65; ASTATIC D-104 mic w/stand and amp inop. \$25: Eric-XE2/KB6EP0-82-02-83-Tijuana, WANTED-TRADE for R-5 vertical ant.

- BK -

(2-15)Nicholas Andree of HIWAY COMPANY, intersection of Wisconsin and Hill streets in Oceanside is back in business and wants to sell off all of his electronic goodies as soon as possible. No reasonable offer will be refused. Nick indicates he will also donate 10% to PARC from items sold to amateurs. Here is your opportunity to really get some good "deals" and help the

club too. It would be good to give Nick a call at his home first, 967-7225, to make sure he will be at the store. Nick has been giving PARC some great deals.

- BK -

PALOMAR ARC: free IBM Code disk for code practice sessions; guy rope for antennas and masts, 260-770-1790 pounds breaking strength (4-8-12c/ft, and 3/32-3/16-5/16" inches); HAM POSTAGE STAMP REPLICA PINS (great for gifts), \$5/ea; Stan-W9FQN-749-0276-V.C.

***** W A N T E D *****

The club is looking for several small wall transformers; 1)9->12V DC @ 500ma and 2)15VAC @ 300ma; C-64 morse code program for member's use and for sending code practice on the Wednesday evening code practice net; small tape recorders (3) for autopatch project; need old THOMAS Bros map books to be used to construct direction finding maps of San Diego Co. especially pages 400-409: PARC-W6NWG-W9FQN-749-0276.

- BK -

(9-17)Need mic for Kenwood xcvr, 4pin, MC-30, or MC-35; frequency counter: Allen-N7AMR-434-5656-Carlsbad.

- BK -

(8-17)2m 20w mobile xcvr & 2m handheld for upcoming trip: Duane-AA6EE-789-3674-Ramona

- BK -

(8-16)German Sheperd dog or ferocious watch dog with long teeth: Stan-W9FQN-749-0276.

- BK -

(7-26)want 2m beam 8el or larger and 7Amp or greater 12VDC pwr supply: Lee-NOLYW-586-1111-SD.

- BK -

(7-4)In 1951 I was the "fist" on 3 code albums made & marketed by Electronic Tech. Inst. in LA. "Loaned" my set ..never got them back. Would like to locate some of these records (copy/buy) for sentimental reasons: Floyd-1545-Raymond-Ave-Glendale-CA-91201-818-242-8961.

- BK -

(6-18)2m xcvr, HF mobile ant, digital voltmeter, Heath QRP xcvr; monoband beams; HF xcvr for Novice: Duane-AA6EE-789-3674-Ramona.

**** - M E M B E R S H I P - ****

RENEW: John-KK6MS, Phil-WF6L, Vern-NOCPS, Mary-NOEVV, Ken-KA5Q, Leonard-KB6MWH, Bill-N6OPP, Jim-NE60, Del-WV6Z, Marsh-W6SAX, Marni-KB6PCF (former net manager for PARC), Chuck-N5HTC, Charlette-N%NLV, Ed-N6UWG, Don-WD6FWE, Peter-N6YMC.

A SPECIAL WELCOME TO NEW MEMBERS:

Leo Theisen-KC6RQJ SD; Kristelle Lusby-KC6WYS Vista; Karelle Lusby-KC6WMI Vista; Martine Lusby-KC6YEU Vista (all related in some way to Peter Lusby-N6YMC; Kirk Mundt-KD6ADS Elfin Forest (about 15); Duane Naugle-KC6QHU SD; Jason Kahlert-KD6ADI SD; Tom Munnecke-KC6ZRW Encinitas; Bob Heygood-N6SWZ Escondido; Jeffrey Herbster-KJ6Q0 Bonsall; Vincent Riggio-W7LHC Escondido.

NEW ASSOCIATE: Parviz Kamiab Carlsbad.

SCOPE: Tomoaki-AB6AR (Japan); Dora-KE7DR (tnx WB6HMY).

INTERESTS: Leonard-KB6MWH test equipment, repair & calibrate; Ken-KA5Q DX, packet, CW, mobile HF&2m; Kirk-KD6ADJ radio controlled planes on 6m and 2m satellites.

A nice note from Bill-AB4PG ..around SD this past year ..now leaving for Florida and still wants to join ..interested in RACES-ARES & Civil Air Patrol ..will be in SD at LEAST TWICE A YEAR!

New members joining late in the month will be included in next month's SCOPE.

***** A U C T I O N *****

The October meeting will feature the Club's Annual Auction. High priced items don't usually sell well at these auctions, so be prepared to

carry them home if they don't sell. Items selling for \$1 to \$100 usually go more quickly. Don't forget to bring \$\$ or your checkbook to take advantage of the great buys that traditionally accompany these auctions. See state of the art items (10-30yr ago?) and watch sellers cry as they part with their beloved treasures and buyers eyes light up as they successfully buy something they can't do without. Dennis-N6KI, hancha (el jefe), again promised us a few laughs and dancing girls ...promises, promises.

The auction rules will be essentially the same as last year:

- 1) 6:30 pm Sellers sign-in, tag equipment.
- 2) 7:00 pm Buyers sign-in and bidders identification. Inspect equipment for auction.
- 3) 7:30 pm Shortened club meeting and then Auction.
- 4) PARC receives 10% of the sale price and there is no fee for buyers or sellers. Donations to PARC are accepted.
- 5) All monies will be paid to the PARC and the club will then pay the sellers by check.
- 6) Seller(s) may set a minimum bid on their items.
- 7) Seller is responsible for removing any items not sold.
- 8) PARC does not guarantee the condition of any items sold.
- 9) You don't have to be a PARC member to attend the Auction so invite your friends to join in the fun.

 Y O U N G H A M S #####
 #####

The YOUNG PEOPLE's Net has been averaging about 5.7 check-ins each week and all of the nets have been very enjoyable. They have been accepting check-ins from young people with licenses and "third party" check-ins of young people without licenses. This might be a way of getting that "reluctant"

young person in your house to get started in amateur radio. It is our understanding that the unlicensed young person can push the BIG SWITCH to transmit but that a licensed operator must be right next to them controlling the entire operation. This operation is similar to what is done with autopatches and Field Day operation ..but a licensed control operator must be present!

Chris-KC6Q0J, who is now an Advanced class operator and only 12 years old, is sharing the net control duties with David-KC6VMR on the 147.130 KA6UAI repeater at 7:30PM. They switch off every few weeks in running the net. Chris and David also operate a 10m net on 28.39 plus or minus the QRM which covers local stations and throughout the USA.

The following are some of the members of the YOUNG PEOPLE's net on Saturday evening at 7:30pm on 147.130, the KA6UAI/R:

KD6ADJ Kirk	14 ELken Forest
KC6QGR Cindy	16 Rancho Penasquitos
KC6QGV Robert	14 Rancho Penasquitos
KC6QGW Ryan	13 Rancho Penasquitos
KC6QHP Tony	13 San Diego
KC6Q0J Chris	12 Encinitas 942-3061
KC6VMR David	13 Del Mar 259-1464
KC6VYI Allis	9 San Diego
KC6WRI Jeanine	9 San Diego
KC6WRK Scott	7 San Diego
KC6YZP Nicole	10 Vista
3rd Party members	
KC6KQC Beth	12 Palomar Mt
KC6RQW Lyle	10 Oceanside
KC6YLA Megan	10 Carlsbad
KC6YZP Karelle	13 Vista
KC6YZP Kristelle	11 Vista
KC6YZP Marie	8 Vista

Years ago your temporary editor announced to both of his girls (N6QDB & N6YZZ) that they needed TWO licenses to drive any car of ours. You can imagine how anxious they were to get their licenses. They ASKED ME for the amateur radio study material! Having an FCC Technician

license also looks good on college and/or work applications. My FCC Novice license (WN9FQN) saved me from a "fate worse than death" in the Air Force: it was the difference between my being sent to officer's supply school or communications school.

There has been some talk about having a few special programs for the Young People on certain meeting nights: special classes, trips to outstanding DX ham stations, and special demonstrations. If you can help with or supervise any special programs, please contact Stan-W9FQN. We would need some club members to help with planning and also the transportation.

 < P A R C V E T E S T I N G >

FCC LICENSE EXAMS in N.County are conducted by the PARC VE Team at the Carlsbad Safety Center in Carlsbad (Camino Real -> Faraday, 14F6) on the 2nd Sat. of the month at 1000 Hrs. Walk-ins are not encouraged. FCC 610 forms are available from Jo-KB6NMK at PARC meetings or from the FCC office in Kearny Mesa, 4542 Ruffner, 467-0549.

REPEAT! VE EXAMS FROM NOW ON WILL BE AT CARLSBAD SAFETY CENTER!

Other SANDARC-VEC exams: 1st Sat. El Cajon, 3rd Normal Heights, 4th Chula Vista, & last Escondido ARS at Blind Center, 157 E.Villy Parkway.

Applicants must send a SASE (Self-Addressed Stamped Envelope), a completed, signed FCC Form 610 (NO PHOTO-COPIES) and copies of license(s) and certificate(s) of successful completion, if any, to SANDARC-VEC. PO Box 2446, La Mesa, CA 91943 10 days B4 the test date. Bring ORIGINALS of licenses & certificates. Questions: call SANDARC 465-EXAM.

Recent communications with the ARRL and articles in QST have suggested that amateurs not

communicate with the FCC about rulings or "what if" questions. These requests should be first run thru the ARRL rather than force the FCC to rule on something that it did not intend to rule on in the first place.

FCC-issued call signs -

	Extra	Advan	Tech/Gen	Novice
Feb	AB6AP	KK6VV	"gone"	KC6RJT
Apr	AB6BS	KK6YI	"gone"	KC6TCJ
Jun	AB6DC	KM6BX	"gone"	KC6VYV
Jul	AB6DO	KM6CX	"gone"	KC6WRW
Aug	AB6EB	KM6FT	"gone"	KC6ZCM

The American Radio Relay League (ARRL) submitted a 21 page brief before the FCC concerning PR Docket No. 91-36 in the matter of inquiry into the need to preempt state and local laws concerning amateur operator use of transceivers capable of reception beyond the amateur service frequency allocations (scanners and amateur radio

scanners).

John-WB6IQS, our technical chairman, also submitted a brief which was referenced in the ARRL brief. Members wanting to see the ARRL brief should contact me at the next meeting before 7:30pm to have a look at it.

DISCLAIMERS

Meetings at LINCOLN MIDDLE SCHOOL are NOT a function of the Vista Unified School Dist. & are NOT sanctioned by the school Dist. Board of Trustees. See!

Unless specifically stated to be club policy, opinions and statements set forth herein do not necessarily represent club policy even though the president is the temporary Editor. Nor do they necessarily represent the opinions of the authors on other occasions or under different circumstances. The Editor further disclaims any knowledge of

anything - real or imaginary. Verily.

You can copy anything out of the SCOPE you want as long as you give credit to THE PALOMAR AMATEUR RADIO CLUB, Inc., and author(s).

> P O T P O U R R I <

HAM STAMP PINS: Replica of ham postage stamp, \$5. Contact an officer at the next meeting.

- BK -

OFFICIAL CLUB BADGES: see John Tentor, W6OLQ, mtgs or 672-3891. John is so efficient at making these badges that they only cost club members \$1 and he does them between ping-pong matches while plotting on his HP printer.

- 73 W 9 F Q N -



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Palomar Amateur Radio Club Enlistment / Re-enlistment Application

AMATEUR CALL	CLASS OF LICENCE N T T+ G A E	
ARRL MEMBER Yes No	DATE FIRST LICENCED	
LAST NAME	OLD CALLS	
FIRST NAME	DATE OF BIRTH	
STREET ADDRESS	RACES Yes No	
	ARES Yes No	
CITY & STATE	RED FLAG Yes No	
ZIP CODE	BLOOD DONOR?	BOOD TYPE
HOME PHONE #	WORK OR OTHER PHONE #	
THOS. BROS. MAP LOCATION	INTERESTS	
LICENCE EXPIRES	PARC FAMILY MEMBERS	

Mail this form with your check to PARC, P.O. Box 1603, Vista, Ca 92085-1603 or hand to Jo, KB6NMK at club meetings. Prefer checks to cash, it's safer and you have a record.

Dues (including Scope) are \$12 a year plus \$9 for each additional family member at the same address.

Dues are prorated for NEW members: Aug, Sept, Oct, \$12; Nov \$9, Dec \$8, Jan \$7, Feb \$6, Mar \$5, April \$4, May \$3, June \$2, July \$1. Family members 75% of full price. Consider paying for two or three years at a time to reduce the work for the membership chairman.

Call, name and complete address are required. Telephone number is requested but may be unlisted in roster if preferred. Other information may be omitted if you feel uncomfortable providing it to the club.

Comments: _____

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1603. Dues \$12 per year. W O W !! #
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Welcoming Newcomers

NEXT MEETING WEDNESDAY October 2nd